

September 25, 2008

Reply to the Office Action dated September 16, 2008

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AMENDMENTS TO THE SPECIFICATION:

Please REPLACE the first full paragraph on page 21 of the Substitute Specification with the following amended paragraph:

A magnetic circuit with such a horizontally asymmetric structure is adopted for the purpose of generating a strong magnetic field even if there is just a narrow gap between the beam line and the beam transport line. The septum magnet **S1** shown in FIG. 2 is located closer to the main ring **MR** than any other septum magnet. However, if a conventional Halbach type magnetic circuit arrangement were adopted, then it would be difficult to put the magnet at such a position. Meanwhile, in the arrangement of this preferred embodiment, a magnetic field generator with the configuration shown in FIG. 3 can be used for the septum magnet **S1**. Optionally, each magnet region may be a stack of smaller magnets. Further, at least a portion of the outer periphery of the magnet assembly can be covered with a ferromagnetic material **FM**.